

UNITRONIC® LiYCY-CY

Screened data transmission cable with individually screened cores

UNITRONIC® LiYCY-CY: Low-frequency PVC data cable, DIN 47100 color coded, Single-core screen, Overall screen, Flexible, Flame retardant, Instrumentation Control



Interference signals

Benefits

Overall braid minimises electrical interference

Individually screened cores minimise crosstalk between cables routed in parallel

Application range

When a lossless transmission of data has to be guaranteed in fields with strong interference, cables with individually-screened cores and an additional overall screening are used
Dry or damp rooms

Product features

Wire-screen can be used as outer conductor

The cable remains flexible despite multiple screening

Flame-retardant according IEC 60332-1-2

Norm references / Approvals

Based on VDE 0812

Product Make-up

Fine-wire strand made of bare copper wires

Core insulation made of PVC

Tinned-copper braiding for each core

Inner sheath made of PVC over each screened core

Last Update (21.02.2024)

©2024 Lapp Group - Technical changes reserved

Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03.16

UNITRONIC® LiYCY-CY

Tinned-copper braiding
Outer sheath made of PVC
Outer sheath colour: grey (similar to pebble grey/ RAL 7032)

Technical Data

| | |
|---------------------------|-------------------------------------------------------------------------------------|
| Classification ETIM 5: | ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable |
| Classification ETIM 6: | ETIM 6.0 Class-ID: EC000104 ETIM 6.0 Class-Description: Control cable |
| Core identification code: | DIN 47100, refer to Appendix T9 |
| Mutual capacitance: | Approx. 230 nF/km |
| Inductivity: | Approx. 0.2 mH/km |
| Conductor stranding: | Stranded conductor, fine-wire |
| Minimum bending radius: | Occasional flexing: 15 x outer diameter Fixed installation: 7.5 x outer diameter |
| Temperature range: | Occasional flexing: -5 °C to +70 °C Fixed installation: -40 °C to +80 °C |

Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum

Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Prices are net prices without VAT and surcharges. Sale to business customers only.

UNITRONIC® LIYCY-CY

| Article number | Number of cores and mm ² per conductor | Outer diameter [mm] | Copper index [kg/km] | Weight [kg/km] |
|---------------------|---------------------------------------------------|---------------------|----------------------|----------------|
| UNITRONIC® LIYCY-CY | | | | |
| 0032302 | 2 x 0.25 | 6.9 | 41.5 | 69 |
| 0032303 | 3 x 0.25 | 7.2 | 53 | 106 |
| 0032304 | 4 x 0.25 | 7.8 | 65 | 130 |
| 0032305 | 5 x 0.25 | 8.5 | 78 | 161 |